

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 01/12/2018 10:13 AM
Cytometer Baseline: 10/18/2017 09:13 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125390	0	1.51	125247	1.47
Blue	F	SSC	125000	123858	-1	3.24	124082	2.94
Blue	E	FITC	23615	22855	-4	2.80	1022	10.58
Blue	D	PE	26739	26338	-2	2.19	945	9.74
Blue	B	PerCP-Cy5-5	48339	47358	-3	3.55	1357	17.41
Blue	A	PE-Cy7	45021	44546	-2	5.21	687	35.83
Red	C	APC	53064	52436	-2	2.78	3011	9.49
Red	A	APC-Cy7	57175	56597	-2	2.77	1176	11.19
Violet	B	V450	14728	14061	-5	5.24	672	9.91
Violet	A	V500	58621	57512	-2	5.04	2548	7.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19546	2.31	609	-5	N/A	N/A	Pass
Blue	F	SSC	61269	1.56	549	3	N/A	N/A	Pass
Blue	E	FITC	113	38.83	546	-2	0.0194	89	Pass
Blue	D	PE	208	29.84	537	1	0.1752	313	Pass
Blue	B	PerCP-Cy5-5	212	46.27	634	-1	0.0095	92	Pass
Blue	A	PE-Cy7	71	128.68	693	0	0.0118	24	Pass
Red	C	APC	348	27.86	598	1	0.0202	62	Pass
Red	A	APC-Cy7	128	41.78	580	0	0.0057	1996	Pass
Violet	B	V450	81	43.31	465	-5	0.0411	1737	Pass
Violet	A	V500	186	23.37	493	-4	0.0134	358	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.48	-31.18	0.92
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.35
Red	18.32	14.40 - 21.60	N/A	N/A	31.09	31.48	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 14095

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments